

## Repair Instructions

To replace a Dixell Controller on the Pharmacy/Lab Fridge



To suit: TPR-360/520/750/950/1150/1500

Approvals		
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## Safety Reminder

Replacing this controller requires the technician to hold a suitable electrical licence.

These instructions do not purport to address all potential safety issues, if any, associated with the product's use. It is the responsibility of the user of these instructions to establish appropriate safety and health practices and determine the applicability of regulatory limitations before use.

Before attempting any of the following, perform the actions listed below:

- Turn OFF power to the machine.
- Unplug the machine.

## Summary

These instructions are for removing and replacing a faulty Dixell Controller on TPR and TLR cabinets 360/520/750/950/1100/1150/1500.

Tools Required	
Philips head screw driver	
Small flat head screw driver	
Safety Step	

Kit Contents		
Item	Description	Quantity
41732	 Dixell XR-70 Controller	1
	This guide	1

## Section 1: Preparation

Turn off the power and remove the plug from the outlet. To access the controller you will need to remove the top panel. In some cases you will need a safety step or step ladder to be able to remove this panel safely.



Slide the panel up which will free it from the locating blocks on the cabinet.



Pull the panel forward free of the blocks. This will allow you to access the controller

## Section 2: Remove the controller



Once the panel is removed you will see a metal plate covering the controller.



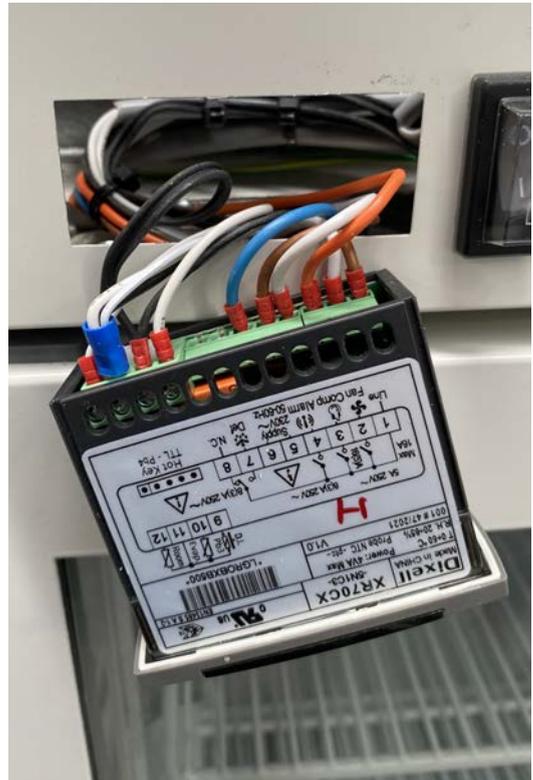
To remove this plate to be able to access the controller, undo the screws on either side of the plate. You DO NOT need to unscrew the green earth wire on the back of the plate.



With the screws removed, lift the plate up to reveal the controller. You can place this plate either behind the controller on the evaporator coil or to the side.



On either side of the controller you will see 2 white fixing clips. Push the white tabs of these clips slightly inwards to the controller. This will unlatch the tabs of the white clips and allow you to slide the clips off the back of the controller.

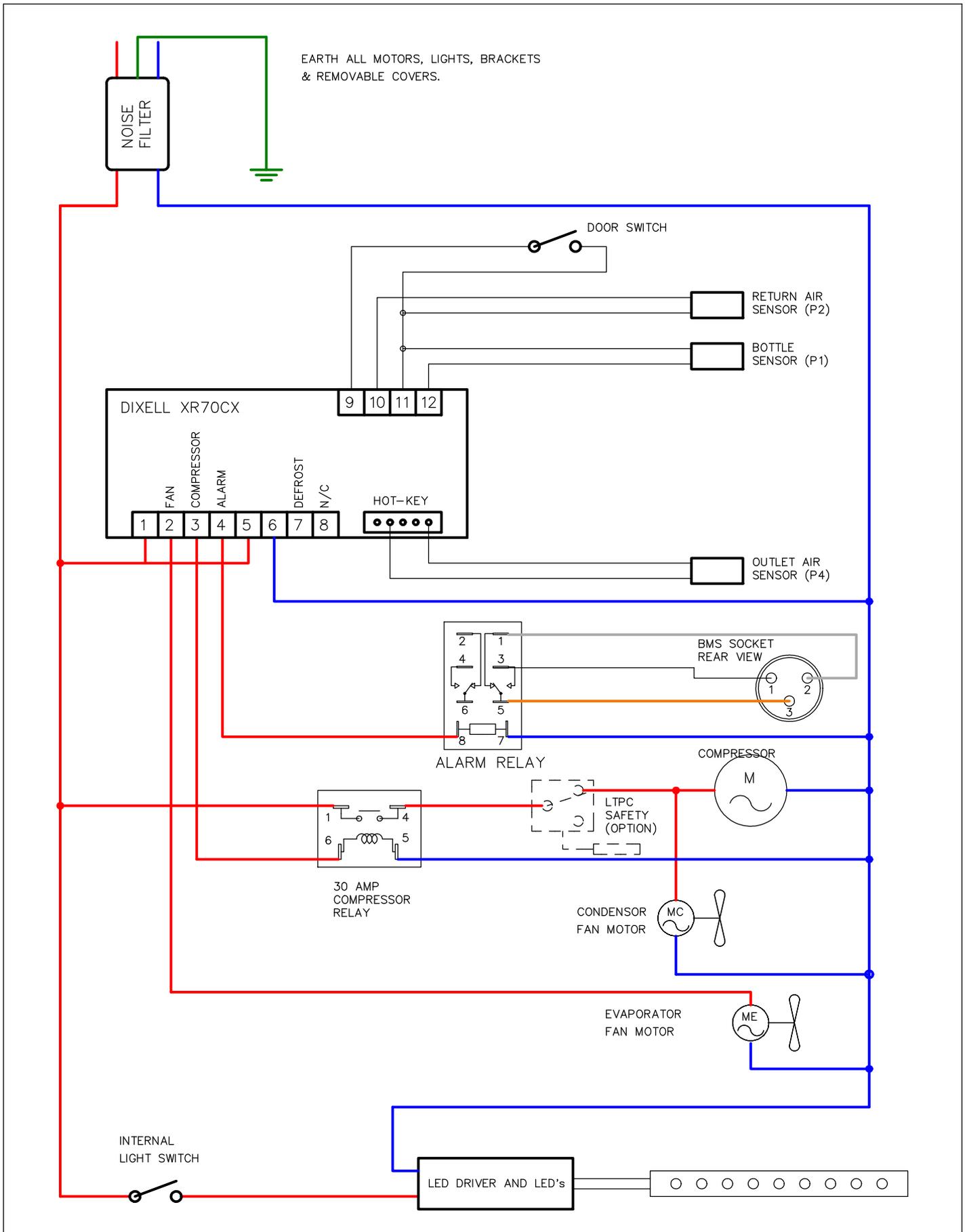


Once the white clips have been removed you can then push the controller through the front of the fridge so you can access the wires. Using a small flat head screw driver, unscrew each of the wires from controller.

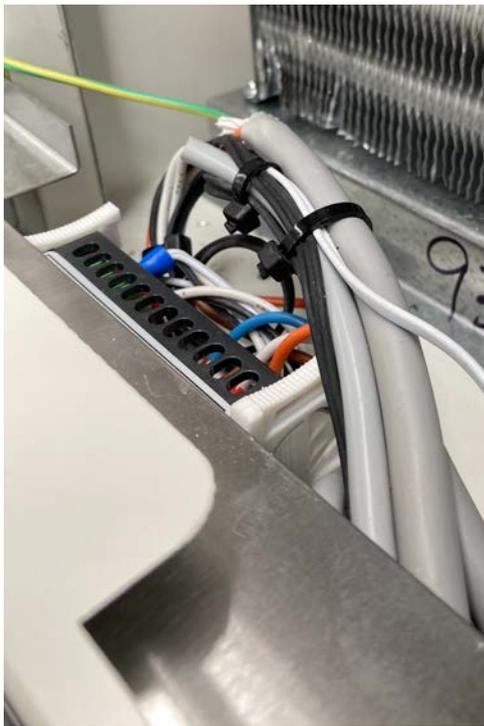
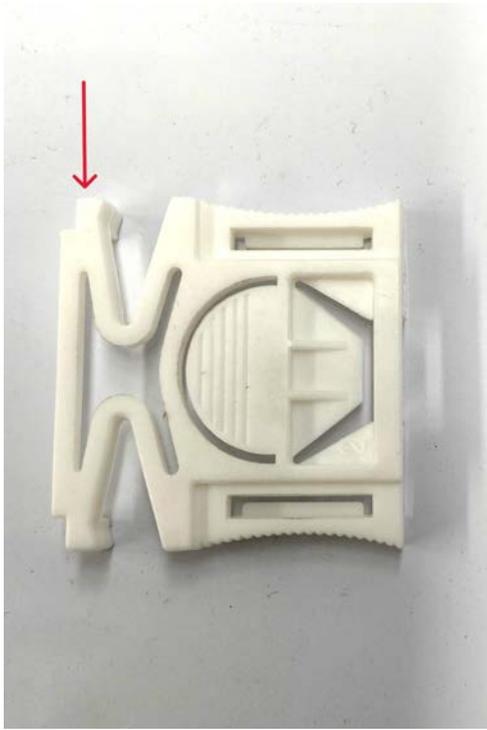
### Section 3: Installation



Reattach the wires of the various sensors to the controller using the supplied wiring schematic on the next page. Once the wires are connected, slide the reattached controller back through the front panel

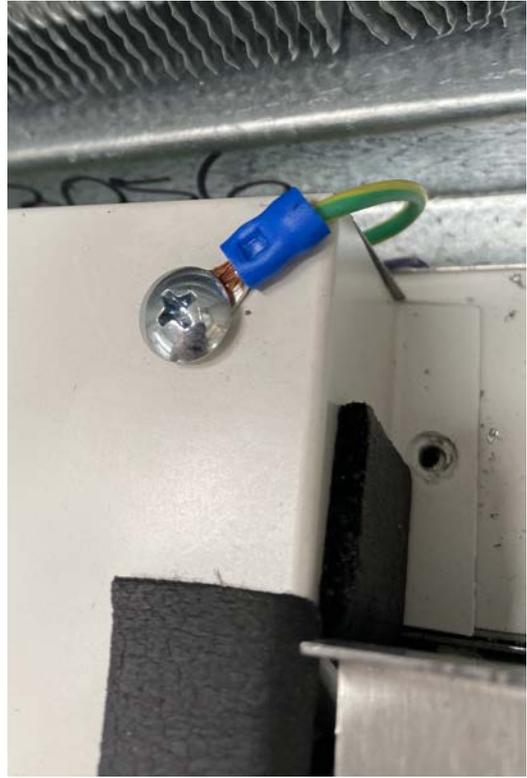


PRODUCT:	PHARMACY REFRIGERATORS	
MODELS:	TPR 520/750/950/1150 SERIES	22-05-18: Changed BMS wire colour
DESCRIPTION:	WIRING DIAGRAM FOR WILLIAMS PHARMACY REFRIGERATORS.	04-07-17: Changed to Dixell Controller.
		19-01-16: Changed to AD2-5 Controller
ISSUE DATE: 22-05-18	DWG.No: TPR 520 to 1150	20-5-14: Removed capacitor off transformer.
		15-11-10: NEW MODEL NUMBERS.



Once the controller is in the front panel, it can be fixed into place. Slide the white clips through the grooves on the side of the controller.

Note: When sliding the clips onto the controller, make sure the side designated with the red arrow in the picture above is slid on first. This is the part of the clip that locks the controller in place.



Once the controller is in place you can replace the cover. Place the cover over the controller and line up the holes. Once they are lined up, screw the cover down.



With the controller cover now in place, you can reinstall the front panel. Place the panel slightly above its final position matching the rectangular holes with the locating blocks.



Push the panel forward onto the blocks then slide it down to lock into place.

The panel should now be in place and even on all edges.



#### **Section 4: Power ON**

Plug the cabinet back in and turn on the power. Before using the fridge please make sure that the fridge is tested and does not need further calibration.

#### **Section 5: Support and Contact**

Repair and Support is available over the telephone Monday through Thursday from 8:30am to 4pm and Friday 8:30am to 2pm. Please contact [service@thermoline.com.au](mailto:service@thermoline.com.au) for email technical support.

You can also visit our website at [www.thermoline.com.au](http://www.thermoline.com.au) for access to additional useful troubleshooting guides, operating manuals, and technical information.

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